3-053 FOOTHILL

Basin Boundaries

Summary

The Foothill groundwater basin is located in southeastern Santa Barbara County. The basin is bound by faults and low permeability rocks. The Goleta Fault bounds the basin on the northwest, and the consolidated Tertiary sedimentary rocks of the Santa Ynez Mountains form the northern and eastern boundaries of the basin. The basin is bound on the south by the More Ranch Fault and on the southeast by the Mission Ridge Fault. The southwestern portion of the basin is bound by the Modoc and Mesa Faults. The boundary is defined by five (5) segments detailed in the descriptions below.

Segment Descriptions

Segment Label	Segment Type	Description	Ref
1-2	I Fault	Begins with point (1) and follows the Goleta Fault to point (2).	{a}
2-3	E Alluvial	Continues from point (2) and generally follows the contact of Quaternary alluvium with various Tertiary sedimentary rock units of the Santa Ynez Mountains to point (3).	{b}
3-4	I Fault	Continues from point (3) and follows the Mission Ridge fault to point (4).	{c}
4-5	E Fault	Continues from point (4) and follows the More Ranch fault to point (5).	{a}
5-1	I Fault	Continues from point (5) and follows the Modoc fault and ends at point (1).	{a}

Significant Coordinates

Point	Latitude	Longitude	
1	34.454637983	-119.788097111	
2	34.461582851	-119.7642184	
3	34.443864601	-119.685143163	
4	34.439184072	-119.754610614	
5	34.438089429	-119.765392629	

Map

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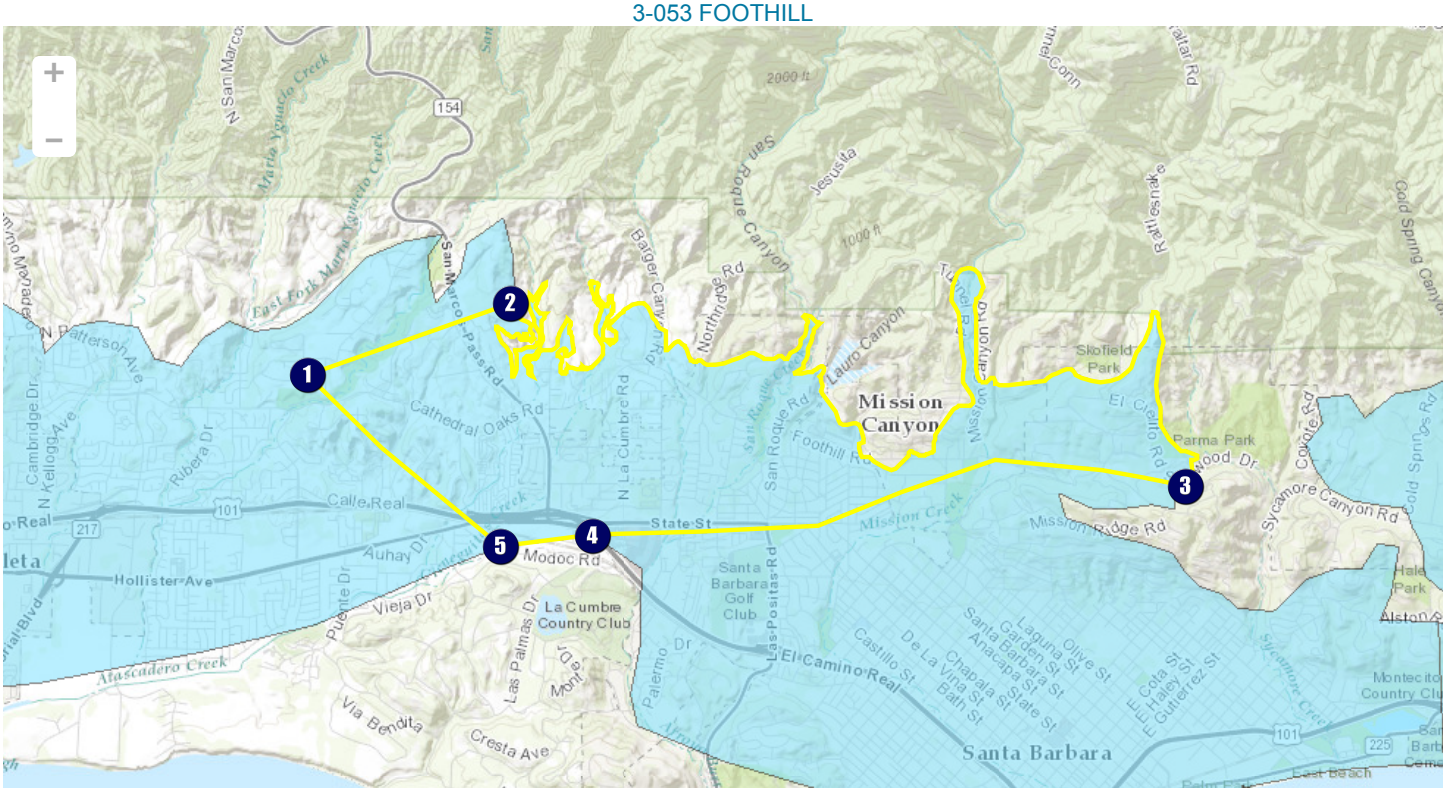

http://sgma.water.ca.gov/bbat/?appid=160718113212&subbasinid=3-53

References

Ref	Citation	Pub Date	Global ID
{a}	United States Geological Survey (USGS), Geohydrology of the Foothill Ground-Water Basin Near Santa Barbara, California, Water Resources Investigations Report 89-4017, J.R. Freckleton.	1989	42
{b}	United States Geological Survey (USGS), Geologic Map of the Santa Barbara Coastal Plain Area, Scientific Investigations Map 3001, 1:24,000, Minor, et.al.. http://pubs.usgs.gov/sim/3001/	2009	72
{c}	California Geological Survey (CGS), Geologic Atlas of California Map No. 008, Los Angeles Sheet, , 1:250,000, Charles W. Jennings and Rudolph G. Strand. URL: http://www.quake.ca.gov/gmaps/GAM/losangeles/losangeles.html	1969	33

Footnotes

I: Internal

E: External